THE BIG PICTURE: DATA DRIVING DECISIONS AT THE WDB LEVEL

GSETA Conference October 2019





The Office of Research and Information at the New Jersey Department of Labor and Workforce Development (ORI)

The Office of Research and Information at the New Jersey Department of Labor is the premier source for reliable intelligence on the labor market, population, and economy of New Jersey. Our goal is to help people and organizations make informed labor market choices by:

Collecting, analyzing, and disseminating accessible and action-oriented research; and

Helping our customers understand and apply our research to meet their needs.

What is **Labor Market Information**?



Labor market information includes all quantitative or qualitative data and analysis related to employment and the workforce. Its goal is to help customers make informed plans, choices, and decisions for a variety of purposes, including business investment decision making, career planning and preparation, education and training offerings, job search opportunities, hiring, and public or private workforce investments.

James F. Woods and Christopher J. O'Leary, "Conceptual Framework for an Optimal Labour Market Information System," W.E. Upjohn Institute for Employment Research, Technical Report No. 07-022, December 2006.

NJ Department of Labor & Workforce Development Offers a Variety of Information for Your Use

Population and Demographic Trends

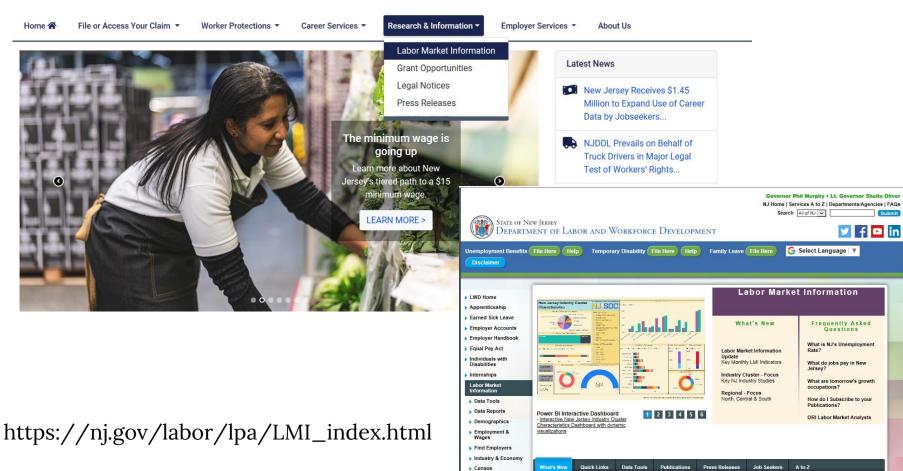
- Census Data
- Population and Household Estimates

Economic Data

- Labor Force Estimates
- Unemployment Rates
- Employment Data
- Industry and Occupational Employment Projections
- Population and Labor Force Projections
- Occupational Wage Rates
- Building Permits

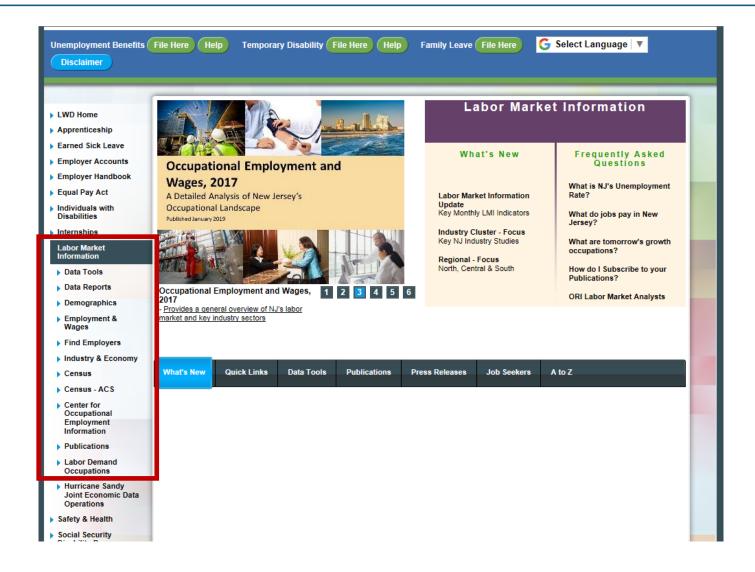


Department of Labor & Workforce Development

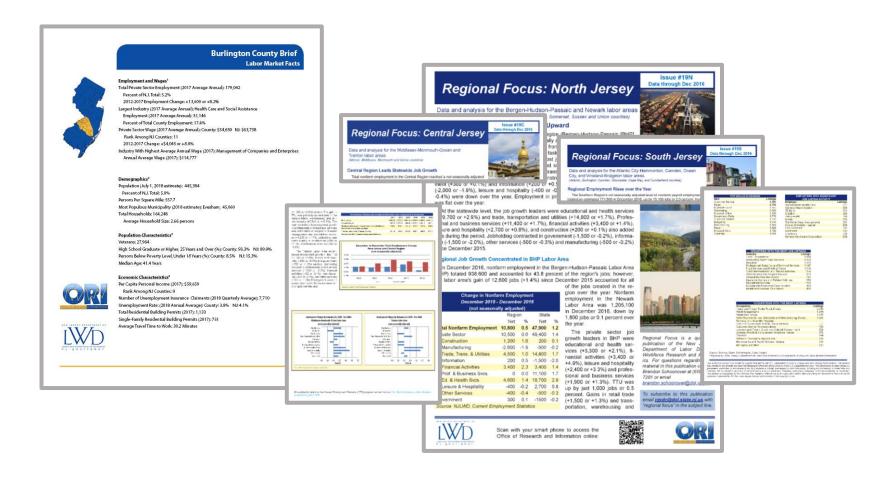


Census - ACS ▶ Center for Employment Information ▶ Publications

Data Sets & Publications



Regional Reports



What industries are growing in my region?
What skills are employers looking for right now?
What is the population of my county?
What is the current unemployment rate and how does it measure up to the state?

Key Industry Cluster reports

















How many people work in the industry in New Jersey? What about my county? How does the industry measure up to overall employment? What types of jobs are in each industry? What are the industry's high wage jobs?

Economic Indicator Reports





What is the unemployment rate?
How many jobs has New Jersey added since the recession?
What industry added the most jobs?
How many people are unemployed in my county?
What occupations had the most job listings last month?

Special Reports



What occupation employs the most people?
What occupations pay the most in my region?
What can entry level workers expect to earn? What about experienced workers?

How can data help me serve my customers?





What are the top jobs in my area?

What jobs pay the most in my area?

What are the top jobs in my area?



Occupational Employment Projections Occupational Wage

- Survey Data
- Industry & Economy
- ▶ Census

Industry &

- Census ACS
- Center for Occupational Employment
- Publications
- Labor Demand Occupations
- Hurricane Sandy Joint Economic Data Operations

Quarterly Census of Employment and Wages

Employment and wage data for employers covered under the New Jersey Unemployment Compensation Law. More

Business Employment Dynamics (BED)

Business Employment Dynamics (BED) statistics measure changes in employment at the private business establishment level from the third month of one quarter to the third month of the next. More

Current Nonfarm Employment Statistics



Estimates of nonfarm wage and salary employment data by major industry classification for New Jersey and labor areas for the current year and prior years. More

Unemployment Rates & Labor Force Estimates

Estimates of the New Jersey labor force for Primary Metropolitan Statistical Areas (PMSAs), labor areas, counties and municipalities. More

Employer Names and

Industry and Occupational Employment Projections



Industry and Occupational employment projections for New Jersey and counties from 2016 to 2026. More

Occupational Employment Statistics Wage Survey



The OES Wage Survey provides valuable input for wago

valuable lipful to wagic comparisons and for it trends in emerging or occupations – precise information needed by employers as well as t are choosing or chang careers. More

Local Emplo

Detailed and timely lat data on state, county a county levels. State ar officials, in particular, I local level data in orde

Related Links

Current Employment Press

One Stop Career Center Locations

Labor Market Field Analysts

Top Occupations in Cumberland County

o iic	Occupation	Employment	Hourly Salary	Annual Salary
lat y ar ar r, i de	Correctional Officers	1,890	\$33.90	\$70,500
	Registered Nurses	1,690	\$38.95	\$81,000
	Cashiers	1,620	\$10.80	\$22,400
	Retail Salespersons	1,600	\$13.95	\$29,000
	Packers and Packagers	1,200	\$13.40	\$27,900

What jobs pay the most in my area?



Industry & Economy

▶ Census

Census - ACS

Occupational Employment

Publications

Labor Demand

Occupations

Operations

Joint Economic Data

Center for

Quarterly Census of Employment and Wages

Employment and wage data for employers covered under the New Jersey Unemployment Compensation Law. More

Business Employment Dynamics (BED)

Business Employment Dynamics (BED) statistics measure changes in employment at the private business establishment level from the third month of one quarter to the third month of the next. More

Current Nonfarm Employment Statistics



Estimates of nonfarm wage and salary employment data by major industry classification for New Jersey and labor areas for the current year and prior years. More

Unemployment Rates & Labor Force Estimates

Estimates of the New Jersey labor force for Primary Metropolitan Statistical Areas (PMSAs), labor areas, counties and municipalities. More

Employer Names and

Industry and Occupational Employment Projections



Industry and Occupational employment projections for New Jersey and counties from 2016 to 2026. More

Occupational Employment Statistics Wage Survey



The OES Wage Survey provides valuable input for wage

comparisons and for it trends in emerging or occupations – precise information needed by employers as well as t are choosing or chang careers. More

Local Emplo

Detailed and timely lat data on state, county a county levels. State ar officials, in particular, i local level data in orde

Related Links

Current Employment Press
Release

One Stop Career Center Locations

Labor Market Field Analysts

Highest paying occupations in Cumberland County

lo	Occupation	Employment	Hourly Salary	Annual Salary
lat ty a ar r, r	Physicians and Surgeons	220	\$108.70	\$226,100
rde	Family and General Practitioners	20	\$97.55	\$202,900
	Dentists	60	\$76.95	\$160,000
	General and Operations Managers	390	\$74.15	\$154,300
	Financial Managers	100	\$72.25	\$150,200

What is the most prominent industry in my county?

What industry has been growing the most over the past few years?

What is the most prominent industry in my county?



Employment Projections

Occupational Wage Survey Data

Find Employers

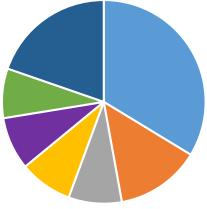
Industry & Economy

Estimates of nonfarm wage and salary employment data by major

industry classification for New

In Bergen County the industries that employ the most people are <u>health care & social</u> assistance and retail trade

Private Sector Employment by Industry Bergen County, 2018



- All Other Industries
- Manufacturing
- Health/Social

- Retail Trade
- Accommodation/Food Services
- Wholesale Trade
- Professional/Technical

What industry is growing?



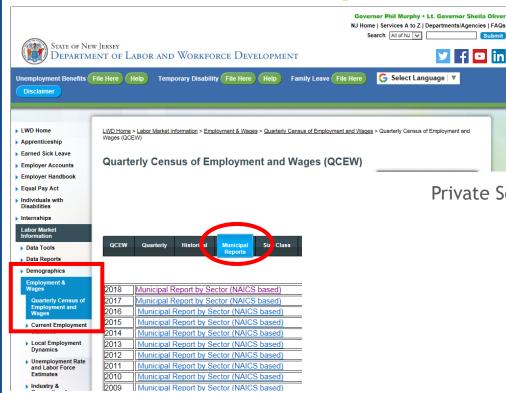
What Mercer County town has the most employment?

How many retail businesses are in Camden City?

What Mercer County town has the most employment?

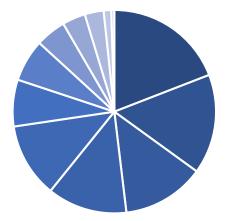
y f □ in

G Select Language ▼



Princeton has the highest level of private sector employment in Mercer County

Private Sector Employment by Municipality Mercer County, 2018



- Princeton
- Ewing
- East Windsor
- Hamilton
- Robbinsville
- Hopewell Twp
- Trenton
- West Windsor
- Hightstown
- Lawrence
- Pennington
- Hopewell

How many retail businesses are in Camden City?



There are 197 retail <u>establishments</u> in the city of Camden

What are the growing occupations in my area?

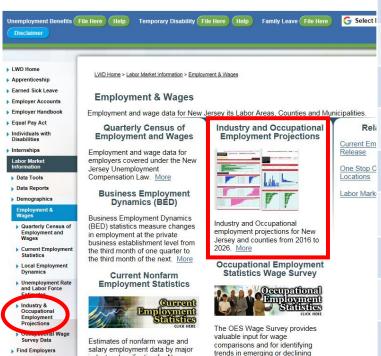
What does the future job market look like for people with only a high school diploma?

What are the growing occupations in my area?



Change in occupational employment

What does the future job market look like for people with only a high school diploma?



occupations -- precisely the kind of

industry classification for New

Industry & Economy

New Jersey Projected Employment Change 2016-2026 Occupations Requiring a High School Diploma

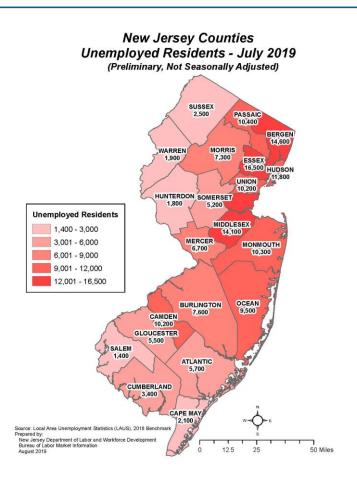
Occupation	Employment Change	Average Salary
Receptionists & Info Clerks	6,030	\$32,390
Social & Human Service Assistants	4,820	\$35,990
Light Truck/Delivery Service Drivers	3,780	\$37,400
Customer Service Reps	3,600	\$39,680
Fitness Trainers/Group Fitness Instructors	3,140	\$52.780
Security Guards	3,050	\$31,330
Wholesale Sales Reps	2,850	\$77,140
Childcare Workers	2,780	\$25,860
General Maintenance Workers	2,420	\$45,530
Electricians	2,390	\$70,850
Carpenters	2,180	\$61,390
Plumbers, Pipefitters & Steamfitters	1,980	\$70,670

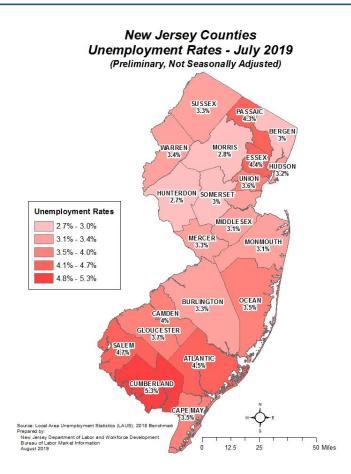
How many of my county residents are unemployed?

What do we know about our customers?

How many of my county residents are unemployed?



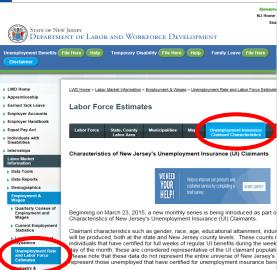




What do we know about our customers?

I	3	ialewide ZN	d Quarter 2019		
	Continued Claims	Percent		Continued Claims	Percen
Total Claimants	154,563				
Gender	154,563	100.0	Age of Claimant	154,563	100
Male	84,523	54.7	Under 25	11,198	7
Female	70,040	45.3	25-34	34,816	22
			35-44	30,479	19
Race	154,563	100.0	45-54	32,735	2
White	89,654	58.0	55-64	31,305	2
Black	35,405	22.9	65 and over	12,058	
Asian	5,401	3.5	Missing Data	1,972	
Other	1,858	1.2			
Chose Not To Answer	22,245	14.4	Wages	154,563	10
			Less than \$5,000	2,896	
Ethnicity	154,563	100.0	\$5,000 - \$10,000	16,830	1
Hispanic	34,275	22.2	\$10,001 - \$20,000	41,090	2
Non-Hispanic	103,283	66.8	\$20,001 - \$30,000	27,203	1
Chose Not To Answer	17,005	11.0	\$30,001 - \$40,000	18,611	1
			\$40,001 - \$50,000	12,832	
Educational Attainment	154,563	100.0	\$50,001 - \$60,000	9,336	
Less Than High School	24,190	15.7	\$60,001 - \$70,000	6,785	
High School Graduate	66,858	43.3	\$70,001 - \$80,000	4,829	
Some College Including Associates Degree	33,129	21.4	\$80,001 & Over	14,151	
Bachelors Degree and More	30,386	19.7	Missing Data	0	
Missing Data	0	0.0			
			Occupation	154,563	10
Selected Industries	154,563	96.0	Management	13,203	
Agriculture, Forestry and Hunting	796	0.5	Business and financial	5,803	
Mining	67	0.0	Professional and related	17,502	1
Construction	16,301	10.5	Services	29,226	1
Manufacturing	8,469	5.5	Sales and related	10,320	
Trade, Transportation and Utilities	32,362	20.9	Office and administrative support	19,786	1
Information	1,814	1.2	Farming, fishing and forestry	707	
Financial Activities	6,106	4.0	Construction and extraction	16,578	1
Professional and Business Services	29,775	19.3	Installation, maintenance and repair	5,126	
Educational and Health Servcies	13,966	9.0	Production	13,892	
Leisure and Hospitality	19,293	12.5	Transportation and material moving	21,986	1
Other Services	3,129	2.0	Military	253	
Public Administration	3,060	2.0	Missing Data	181	
Unclassified	3,576	2.3			
Missing Data	15,849	10.3			

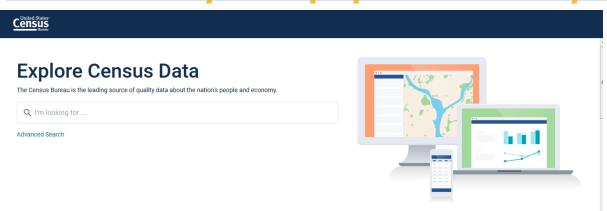
Characteristics of New Jersey's Insured Unemployed by County



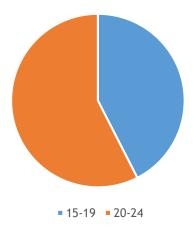
What is the youth population in my area?

What are the ages of the veterans in my area?

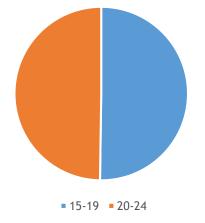
What is the youth population in my area?



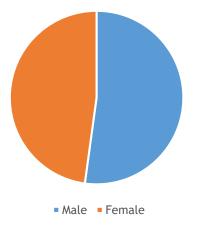
Hudson County Population Age 15-24 = 72,252



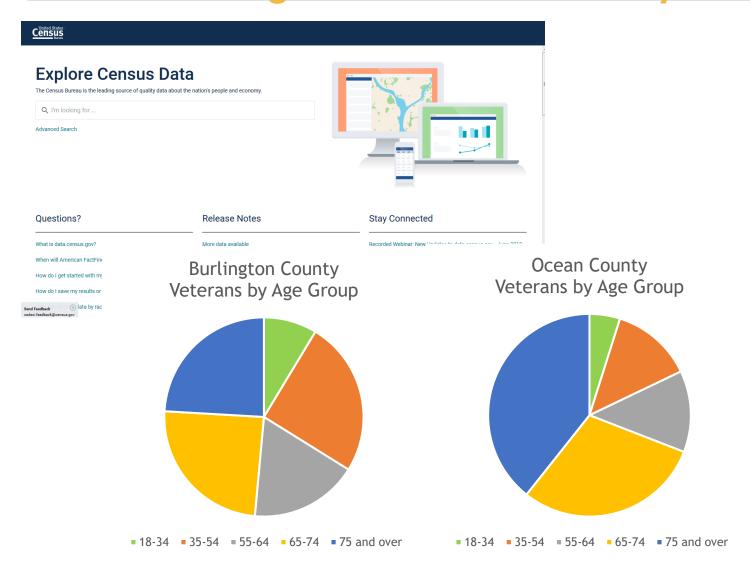
Gloucester County Population Age 15-24 = 39,036



Salem County Population Age 15-24 = 7,953



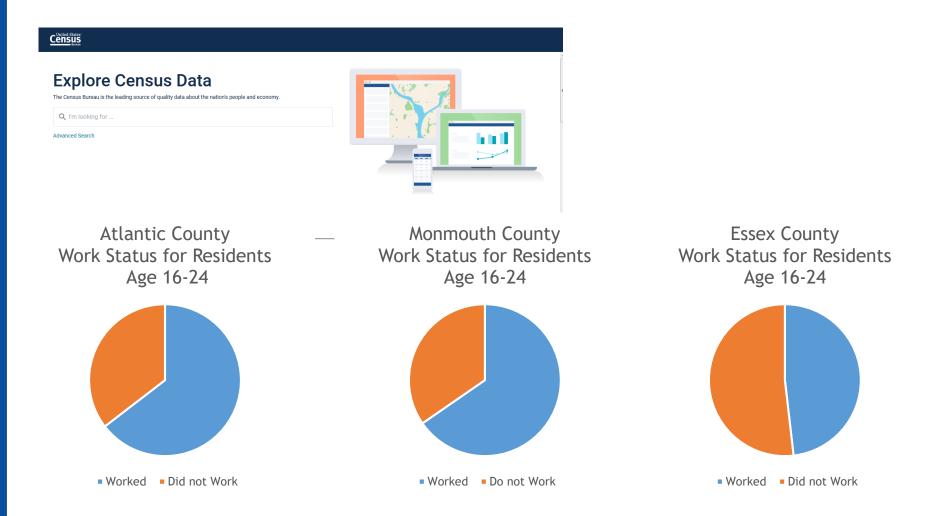
What are the ages of the veterans in my area?



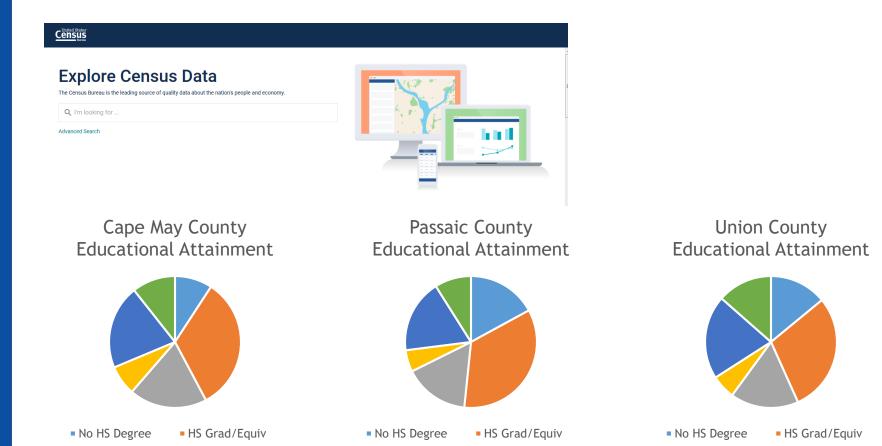
How many youth have work experience?

How many residents have a bachelors degree? How many have only a high school diploma?

How many youth have work experience?



How many residents have a bachelors degree or high school diploma?



Some college

Bachelor's

Associate's

Grad/Professional

Some college

Bachelor's

Associate's

Grad/Professional

Some college

Bachelor's

Associate's

Grad/Professional

A trucking company in my area just closed and there are many drivers out of work. Who is likely to hire truck drivers?

What computer/IT skills are most sought out by employers?

Who is hiring right now?

Who is likely to hire truck drivers?

Top <u>Companies</u> and Top <u>Industries</u> in the Morris-Sussex-Warren Area with Hiring Needs for Truck Drivers Based on Online Job Listing Activity

Fmnl	oyers with the M	Anst Listings
	Cyclo With the M	TOSE LISTINGS

Mtb

Crete Carrier Corporation

Celadon Trucking Services

Mcelroy Trucking Lines Inc

George Hildebrandt

Transport America

Covenant Transport

J&R Schugel Trucking Inc

Buddy Moore Trucking

Ps Transportation

Industries with the Most Listings

General Freight Trucking

Specialized Freight Trucking Management, Scientific, and Technical Consulting Services

Freight Transportation Arrangement

Other General Merchandise Stores

Household and Institutional Furniture and Kitchen Cabinet Manufacturing

Clothing Stores

Waste Collection

Couriers and Express Delivery Services Automotive Parts, Accessories, and Tire Stores

What IT skills are most sought after by employers?

Top <u>Computer and Technical Skills</u> being sought by employers in the Greater Raritan WDB Area during 2018 based on online job listing activity

Skills Sought
Microsoft Office (Excel, Powerpoint, Word, etc.)
, ,
SQL
JAVA
SAP
Software Development
Oracle
Python
Javascript
Linux
Systems Development Life Cycle (SDLC)

Who is hiring right now?

Companies with Hiring Needs Statewide Based on Online Job Listing Activity

Mtb	Rutgers, the State University of New Jersey
Meridian Health System	Saint Barnabas Health Care System
Kohl's	Walmart / Sam's
Crete Carrier Corporation	Anthem Blue Cross
Celadon Trucking Services	Covenant Transport
Hackensack University Medical Center	Amazon
Mcelroy Trucking Lines Inc	RWJ/Barnabas Health
Jfk Medical Center	Verizon Communications Incorporated
Atlantic Health	J&R Schugel Trucking Inc
George Hildebrandt	Accenture

Questions? Comments?





Office of Research and Information NJ Department of Labor and Workforce Development 1 John Fitch Plaza, 5th floor Trenton, NJ 08625